

SILVER STATISTICS
By Kenneth E. Porter and Henry E. Hilliard
[All values in metric tons (t) unless otherwise noted]
Last modification: August 30, 2002

Year	Mine production	Primary production	Secondary production	Shipments	Imports	Exports	Stocks	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)	World production
1900	1,790	1,790							20,000	390,000	5,400
1901	1,720	1,720	38					402	19,000	380,000	5,380
1902	1,730	1,730	87					515	17,000	320,000	5,060
1903	1,690	1,690	122					499	17,000	310,000	5,220
1904	1,740	1,790	83					554	19,000	340,000	5,110
1905	1,750	1,740	137					601	20,000	350,000	5,360
1906	1,780	1,760	122					558	22,000	390,000	5,130
1907	1,630	1,760	72					686	21,000	370,000	5,730
1908	1,580	1,630	112		2,480	3,040		630	17,000	310,000	6,320
1909	1,780	1,700	216		2,760	3,440		652	17,000	300,000	6,600
1910	1,790	1,780	50		2,640	3,300		721	17,000	300,000	6,900
1911	1,900	1,880	178		2,520	3,780		818	17,000	300,000	7,040
1912	2,050	1,980	227		2,430	3,610		704	20,000	340,000	6,980
1913	2,210	2,080	245		1,830	3,200		719	19,600	323,000	7,010
1914	2,170	2,250	210		1,440	2,870		701	18,000	292,000	5,240
1915	2,250	2,330	218		2,100	3,270		714	16,400	263,000	5,730
1916	2,450	2,310	308		1,500	3,280		691	21,500	322,000	5,250
1917	2,200	2,230	343		1,980	3,120		498	27,000	344,000	5,420
1918	2,120	2,110	296		2,270	8,020		831	31,500	341,000	6,140
1919	1,610	1,760	201		2,480	6,640		816	36,000	339,000	5,490
1920	1,760	1,720	270		2,690	3,460		600	32,800	267,000	5,390
1921	1,440	1,650	218		3,120	2,550		897	20,300	184,000	5,330
1922	1,900	1,750	206		3,240	2,870		973	21,900	213,000	6,530
1923	2,190	2,280	263		3,560	3,470		882	20,900	200,000	7,650
1924	1,990	2,030	278		3,430	5,100		767	21,500	205,000	7,450
1925	2,070	2,060	308		2,910	4,470		931	22,200	206,000	7,650
1926	1,940	1,950	311		3,490	4,630		915	19,900	184,000	7,890
1927	1,850	1,880	316		3,010	4,130		886	18,300	172,000	7,900
1928	1,800	1,820	330		3,650	4,690		775	18,600	177,000	8,020
1929	1,890	1,910	354		3,750	4,890		964	17,000	162,000	8,120
1930	1,480	1,470	295		3,500	4,430		836	12,200	119,000	7,740
1931	929	962	291		3,070	2,840		757	9,320	99,800	6,080
1932	712	746	305		2,180	1,540		450	9,000	107,000	5,130
1933	725	715	576		5,350	1,690		336	11,300	142,000	5,340
1934	1,030	1,020	877		6,660	1,070		357	15,400	188,000	5,990
1935	1,520	1,430	1,120		17,200	914		165	20,600	244,000	6,890

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1936	1,920	1,980	520		12,600	205		595	14,500	170,000	7,920
1937	2,240	2,240	733		6,350	832		862	14,500	164,000	8,640
1938	1,960	1,950	574		16,700	512		628	13,800	160,000	8,320
1939	2,040	2,030	777		6,800	1,170	91,000	1,390	12,500	147,000	8,300
1940	2,230	2,160	702		5,190	327	97,500	1,380	11,300	131,000	8,570
1941	2,090	2,250	633		4,180	504	89,300	2,250	11,300	125,000	8,140
1942	1,680	1,740	934		3,360	164	88,300	3,150	12,200	122,000	7,780
1943	1,290	1,270	1,370		1,930	2,120	83,600	3,670	14,500	136,000	6,380
1944	1,070	1,110	1,750		1,620	8,770	72,900	3,740	14,500	134,000	5,740
1945	903	904	1,820		1,630	5,440	62,400	3,930	16,700	151,000	5,040
1946	713	656	1,140		2,240	1,420	60,700	2,710	25,700	215,000	3,970
1947	1,110	1,200	867		2,940	1,320	60,700	3,060	23,100	169,000	5,220
1948	1,180	1,220	743		2,980	521	60,700	3,270	23,800	161,000	5,440
1949	1,080	1,090	705		3,210	1,010	61,500	2,740	23,100	158,000	5,570
1950	1,320	1,320	1,410		4,650	254	61,700	3,420	23,800	161,000	6,320
1951	1,240	1,240	1,450		3,670	306	61,100	4,650	28,600	180,000	6,210
1952	1,230	1,240	779		2,350	179	60,300	4,780	27,300	168,000	6,700
1953	1,170	1,170	603		3,480	308	59,900	4,630	27,300	167,000	6,900
1954	1,150	1,110	579		2,960	132	60,200	4,350	27,300	166,000	6,670
1955	1,160	1,130	687		2,690	226	60,000	3,410	28,600	174,000	7,000
1956	1,200	1,200	933		5,100	240	61,600	4,070	29,300	176,000	7,020
1957	1,190	1,200	1,190		6,430	378	62,600	4,580	29,300	170,000	7,190
1958	1,060	1,140	1,120		5,230	129	65,500	3,850	28,600	161,000	7,430
1959	970	715	1,310		2,210	335	64,100	4,430	29,300	164,000	6,910
1960	957	1,140	700		2,010	871	62,000	4,600	29,300	161,000	7,320
1961	1,080	1,090	902		1,580	1,270	57,900	5,020	29,600	161,000	7,370
1962	1,140	1,130	124		2,420	456	54,900	5,840	35,000	189,000	7,650
1963	1,100	1,090	199		1,930	1,020	49,200	6,890	41,200	219,000	7,780
1964	1,130	1,150	417		1,650	3,470	38,000	10,100	41,500	218,000	7,730
1965	1,240	1,210	221		1,750	1,300	25,100	14,200	41,500	214,000	8,010
1966	1,360	2,470	1,140		2,010	2,750	18,600	7,390	41,500	208,000	8,300
1967	1,010	1,680	1,040		1,790	2,300	13,500	6,680	49,800	243,000	8,030
1968	1,020	2,280	1,790		2,310	3,980	18,300	5,660	68,800	322,000	8,560
1969	1,300	2,600	2,480		2,240	2,770	13,500	5,010	57,550	255,900	9,200
1970	1,400	2,530	1,740	2,190	1,920	568	12,400	4,020	56,910	238,900	9,360
1971	1,290	2,140	935	3	1,780	270	11,600	4,090	49,830	200,600	9,170

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1972	1,160	2,410	967	0	2,000	832	10,800	4,790	54,010	210,500	9,380
1973	1,170	2,340	1,070	0	3,930	260	9,980	6,140	82,310	301,900	9,700
1974	1,050	1,970	1,740	0	3,950	179	10,100	5,510	151,400	500,600	9,260
1975	1,090	1,870	1,590	0	2,640	706	10,800	4,990	142,100	430,500	9,430
1976	1,070	1,690	1,560	0	2,650	241	10,400	5,350	139,900	400,500	9,840
1977	1,190	1,400	1,490	0	2,410	282	10,900	4,780	148,500	399,600	10,300
1978	1,230	1,690	1,150	0	2,300	391	10,300	4,980	173,600	433,800	10,700
1979	1,180	1,580	1,240	0	2,830	578	10,400	4,900	356,600	800,900	10,800
1980	1,010	1,220	1,650	0	2,390	1,860	9,980	3,880	663,300	1,312,000	10,700
1981	1,270	1,460	1,220	62	2,860	565	9,250	3,630	338,200	606,200	11,200
1982	1,250	1,510	933	0	3,570	452	9,410	3,750	255,600	431,700	11,500
1983	1,350	1,800	915	0	5,560	458	10,600	3,690	367,800	601,900	12,100
1984	1,390	1,850	866	0	3,550	385	10,200	3,650	261,700	410,800	13,100
1985	1,230	1,670	866	0	4,660	439	11,300	3,700	197,400	299,200	13,100
1986	1,070	1,320	762	317	4,450	379	10,700	4,020	175,900	261,500	13,000
1987	1,240	1,420	810	442	2,440	417	10,600	4,060	225,400	323,300	14,000
1988	1,660	1,470	852	207	2,700	523	10,900	3,760	209,900	289,300	15,500
1989	2,010	1,720	714	337	3,220	509	12,400	4,000	176,800	232,500	16,400
1990	2,120	1,940	454	107	2,850	771	13,000	4,160	155,000	193,300	16,600
1991	1,860	1,880	215	255	2,700	841	13,000	3,980	129,900	155,400	15,600
1992	1,800	2,160	145	356	3,220	1,010	13,100	3,700	126,700	147,200	14,900
1993	1,640	1,790	162	404	2,500	810	14,000	3,910	138,200	156,000	14,100
1994	1,490	1,810		186	2,610	967	13,900	4,130	170,100	187,000	14,000
1995	1,560			220	3,250	2,880	8,270	4,350	165,600	177,100	14,800
1996	1,570			232	3,010	2,940	6,400	4,570	166,900	173,400	14,900
1997	2,180	2,200		109	2,550	3,080	5,530	5,000	157,200	159,700	16,000
1998	2,060	2,300		250	3,340	2,500	4,370	5,900	164,000	164,000	16,400

Silver Worksheet Notes

Data Sources

The sources of data for the silver worksheet are the mineral statistics publications of the U.S. Bureau of Mines and the U.S. Geological Survey—Minerals Yearbook (MYB) and its predecessor, Mineral Resources of the United States (MR); Mineral Commodity Summaries (MCS) and its predecessor, Commodity Data Summaries (CDS); and Metal Prices in the United States through 1998 (MP98). The years of publication and corresponding years of data coverage are listed in the References section below. Blank cells in the worksheet indicate that data were not available.

Mine Production

Mine production data for the years 1900–98 were recorded from the MR and the MYB. Mine production data for the years 1900–98 represent the recoverable silver content of precious-metal ores that were extracted from domestic mines.

Primary Production

Primary production data for the years 1900–98 were recorded from the MR and the MYB. Primary production data for the years 1900–98 represent the quantity of silver that was produced from silver ores, concentrates, dorés, and precipitates in domestic refineries.

Secondary Production

Secondary production data for the years 1901–93 were recorded from the MR and the MYB. Secondary production data for the years 1901–93 represent the recoverable silver content in old silver scrap and waste that was produced in domestic refineries.

Shipments

Shipment data for the years 1970–98 were recorded from the CDS and the MCS. Shipment data for the years 1970–98 represent the silver content of various silver materials that were shipped from Government stockpiles to domestic recipients.

Imports

Import data for the years 1908–48 were estimated by dividing the total reported value of imports by the annual unit value. The total reported values of imports for the years 1908–48 were recorded from the MYB. Import data for the years 1949–98 were recorded from MYB. Import data for the years 1908–98 represent the recoverable silver content in imported silver ores, concentrates, waste and scrap, dorés, precipitates, bullion, and U.S. and foreign coins.

Exports

Export data for the years 1908–48 were estimated by dividing the total reported value of exports by the annual unit value. The total reported values of exports for the years 1908–48 were recorded from the MYB. Export data for the years 1949–98 were recorded from MYB. Export data for the years 1908–98 represent the recoverable silver content in exported silver ores, concentrates, waste and scrap, dorés, precipitates, bullion, and U.S. and foreign coins.

Stocks

Stock data for the years 1939–98 were recorded from the MYB. Stock data for the years 1939–98 represent the silver content of various silver materials that were stockpiled in industrial, COMEX (Commodity Exchange Inc., New York), CBT (Chicago Board of Trade), Treasury Department, Department of Defense, and National Defense stockpiles.

Apparent Consumption

Apparent consumption data for the years 1901–92 and 1996–98 were recorded from the MR and the MYB. Apparent consumption data for the years 1993–95 were interpolated from the apparent consumption data series. Apparent consumption data for the years 1901–98 represent the total quantity of silver that was consumed for industrial, art, and coinage purposes.

Unit Value (\$/t)

Unit value data for the years 1900–98 were recorded from the MP98. Unit value is defined as the value of 1 metric ton (t) of silver apparent consumption. Unit value data for the years 1900–98 represent the average value per metric ton of silver of a minimum purity of 99.9%.

Unit Value (98\$/t)

The Consumer Price Index conversion factor, with 1998 as the base year, is used to adjust unit value in current U.S. dollars to the unit value in constant 1998 U.S. dollars.

World Production

World production data for the years 1900–98 were recorded from the MR and the MYB. World production data for the years 1900–98 represent the recoverable silver content of precious-metal ores that were extracted from mines throughout the world.

References

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